

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following listing of all claims:

1. (Currently amended) An apparatus comprising:
a terminal; and
control circuitry coupled to the terminal to permanently convert the terminal from a first mode of operation in which serial communications are received over the terminal into a second mode of operation in which the terminal functions to selectively enable an output according to a voltage value on the terminal;
wherein the control circuit is responsive to a communication received over the terminal to convert the terminal to the second mode of operation.
2. (Previously Presented) The apparatus as recited in claim 1 wherein once the terminal is converted to the second mode of operation the first mode of operation for the terminal is permanently disabled.
3. (Original) The apparatus as recited in claim 1, wherein a terminal configuration determining the mode of operation of the terminal is stored in a non-volatile memory.
4. (Canceled)
5. (Currently amended) The apparatus as recited in claim [[4]] 1 wherein the serial communication received over the terminal in the first mode of operation includes a command and write data.
6. (Original) The apparatus as recited in claim 1, wherein the control logic distinguishes between a calibration clock received on the terminal and serial communications when in the first dedicated mode of operation.
7. (Original) The apparatus as recited in claim 1 wherein the output enable function is for controlling the output of one or more clocks.

8. (Original) The apparatus as recited in claim 6 further comprising:
a controllable oscillator coupled to receive a reference frequency and to supply a clock signal that is coupled to an output terminal that is controlled by the terminal functioning to selectively enable the output according to the voltage value on the terminal; and
a resonating device coupled to supply the reference frequency.

9. (Original) The apparatus as recited in claim 8 wherein the terminal is on a package, the package including an integrated circuit and a resonating device, the integrated circuit including the controllable oscillator, and the resonating device being one of a crystal and surface acoustic wave (SAW) device.

10. (Currently amended) An apparatus comprising:
a terminal;
control circuitry coupled to the terminal to permanently convert the terminal from a first mode of operation in which serial communications are received over the terminal into a second mode of operation in which the terminal functions to selectively enable an output according to a voltage value on the terminal; and

~~The apparatus as recited in claim 1 further comprising~~ a second terminal that functions as a dedicated programmable input/output terminal over which serial communications and a calibration clock are received, the second terminal not being convertible into a dedicated input control for an output enable function.

11. (Previously presented) A method comprising:
utilizing a terminal in a first mode of operation in which serial communications are received over the terminal; and
subsequently permanently converting the terminal to a second mode of operation in response to a received command, in which the terminal functions as an input control for selectively enabling an output according to a value of terminal voltage, the second mode of operation permanently disabling the first mode of operation.

12. (Canceled)

13. (Original) The method as recited in claim 11, further comprising storing a terminal configuration selecting one of the first and second modes of operation in a non-volatile memory.

14. (Original) The method as recited in claim 11 further comprising converting the terminal from the first mode to the second mode of operation in response to the command being received over the terminal.

15. (Original) The method as recited in claim 14 wherein the communication includes a command and write data.

16. (Original) The method as recited in claim 11, further comprising:
receiving a calibration clock on the terminal in the first mode of operation; and
distinguishing between the calibration clock and serial communications in control logic coupled to the terminal.

17. (Previously Presented) The method as recited in claim 11 further comprising controlling one or more clock outputs according to the voltage value of the terminal in the second mode of operation.

18. (Original) The method as recited in claim 11 wherein the terminal is on a package, the package including an integrated circuit and a resonating device, the resonating device being one of a crystal and surface acoustic wave (SAW) device.

19. (Currently amended) An apparatus comprising:
a terminal; and
means for permanently converting the terminal from a first mode of operation in which serial communications are received over the terminal into a second mode of operation in which the terminal functions as a control input to selectively enable an output according to a voltage value on the terminal;
wherein the means for permanently converting is responsive to a serial communication received over the terminal to convert the terminal to the second mode of operation.

20. (Previously Presented) The apparatus as recited in claim 19, further comprising a non-volatile memory for storing a terminal configuration determining the mode of operation of the terminal.

21. (Canceled)

22. (Previously Presented) The apparatus as recited in claim 2 wherein the terminal is not operable in the second mode until the terminal is permanently converted to operate in the second mode.

23. (Currently amended) The apparatus as recited in claim 11 ~~[[12]]~~ wherein the terminal is not operable in the second mode until the terminal is permanently converted to operate in the second mode.